I. Amendments to the Claims

1. (Original) A method for constructing an illuminating and reflecting apparatus, said method comprising the steps of:

providing a layered metal substrate with an aluminum layer positioned between a first and a second copper layer;

removing at least a defined area of said at least one copper layer to form a reflective portion within said area; and

providing a localized light source positioned to allow light to reflect off of said reflective portion.

- 2. (Original) The method of claim 1, further comprising the step of removing an area of said aluminum layer such that a non-planar surface is formed in said aluminum layer.
- 3. (Original) The method of claim 2, further comprising the step of removing a defined area of at least one copper layer such that an opening is defined in said layered metal substrate.
- 4. (Original) The method of claim 3, further comprising the step of coating said reflective portion with a substance to provide specific reflectivity levels.
- 5. (Original) The method of claim 3, further comprising the step of providing a transparent substrate positioned on said first copper layer.
- 6. (Original) The method of claim 3, further comprising the step of providing a reflective substrate positioned on said second copper layer.

7. (Original) A method for forming a reflective aperture in a circuit board for providing illumination in automotive applications, said method comprising the steps of:

providing a layered metal substrate;

removing at least a top layer of said layered metal substrate to form a reflective area; and

providing a localized light source positioned so as to allow light to reflect off of said reflective area.

- 8. (Original) The method of claim 7, further comprising the step of defining a non-planar aperture in the middle layer of said layered metal substrate.
- 9. (Original) The method of claim 8, further comprising the step of defining an aperture in the bottom layer of said layered metal substrate aligned with said non-planar aperture in said middle layer.
- 10. (Currently Amended) A method for forming a reflective aperture in a circuit board for providing illumination in automotive applications, said method comprising the steps of:

providing a layered metal substrate;

applying a layer of masking material on a surface of at least one layer of said layered metal substrate;

exposing said layered metal substrate to an etching process;

removing said masking material from said at least one layer of said layered metal substrate to expose reflective areas of said aluminum at least one layer; and

providing a localized light source positioned so as to allow light to reflect off of said reflective area.

11. (Currently Amended) The method of claim 10, further comprising the steps of:

applying a layer of masking material on a surface of said an aluminum layer;

exposing said layered metal substrate to an aluminum etching process; and

removing said masking material from said aluminum layer.

- 12. (Currently Amended) The method of claim 11 10, further comprising the step of defining a non-planar aperture in the middle at least one layer of said layered metal substrate.
- 13. (Currently Amended) The method of claim 12, further comprising the step of defining an aperture in the <u>a</u> bottom layer of said layered metal substrate aligned with said non-planar aperture in said <u>middle</u> <u>at least one</u> layer.
 - 14. (Original) A reflective circuit board comprising:

a substrate comprised of a layer of aluminum positioned between two layers of copper;

at least one exposed area of reflective aluminum; and

- a localized light source positioned to provide illumination of said exposed aluminum.
- 15.(Original) The reflective circuit board of claim 14, further comprising a non-planar aperture defined in said aluminum layer.
- 16. (Original) The reflective circuit board of claim 15, further comprising an aperture defined through all of said layers of said substrate.
- 17. (Original) The reflective circuit board of claim 15, further comprising a reflective coating on said non-planar surfaces of said aluminum layer.
- 18. (Original) The reflective circuit board of claim 16, wherein said localized light source is substantially aligned with said aperture.

- 19. (Original) The reflective circuit board of claim 18, further comprising a layer of reflective substrate over said aperture opposite said localized light source.
- 20. (Original) The reflective circuit board of claim 14, further comprising a layer of transparent substrate over said at least one layer of exposed aluminum.